

# Utah Department of Transportation

## Design Exception, Design Waiver or Deviation from UDOT Standards

Type Request: (Select as many as applicable)

- ☐ Design Exception (Complete Parts I and III as appropriate)
- ☐ Design Waiver (Complete Parts I and III as appropriate)
- ☐ Deviation from UDOT Standards (Complete Parts II and III as appropriate)

Project No.:

Project Description:

Type of Project and Character of Work:

### Part I. Design Exception/Design Waiver

#### Traffic Data:

Project Design Life:							
Existing			AADT			% Trucks	
Projected			AADT			% Trucks	
Projected			AADT			% Trucks	

#### Geometric Data:

Posted Speed Limit	<u>                    </u>	Proposed Design Speed	<u>                    </u>
No. of Lanes	<u>                    </u>	Type of Facility	<u>                    </u>
Pavement Width	<u>                    </u>	Shoulder Width	<u>                    </u>
Clear Zone	<u>                    </u>	Shoulder Type	<u>                    </u>
ROW width	<u>                    </u>		

#### Accident History:

	<u>Rate</u>	<u>Expected</u>
Period	<u>                    </u>	<u>                    </u>
Accident Rate	<u>                    </u>	<u>                    </u>
Severity	<u>                    </u>	<u>                    </u>

Remarks:

**Adjoining Section Geometric Compatibility:**

Direction: \_\_\_\_\_  
Pavement Width \_\_\_\_\_ Shoulder Width \_\_\_\_\_ Shoulder Type \_\_\_\_\_  
Compatibility: \_\_\_\_\_

Direction: \_\_\_\_\_  
Pavement Width \_\_\_\_\_ Shoulder Width \_\_\_\_\_ Shoulder Type \_\_\_\_\_  
Compatibility: \_\_\_\_\_

**Programmed Future Improvements:** \_\_\_\_\_

**Cost Data:**

Project Cost as Proposed \_\_\_\_\_  
Project Cost to Attain FHWA 12 Critical Elements (Design Exceptions) \_\_\_\_\_  
Project Cost to Attain Other AASHTO Standards (Design Waivers) \_\_\_\_\_  
Attach Detailed Estimate (Provide item by item breakdown)

**Comments:**  
\_\_\_\_\_

## Exceptions to FHWA's 12 Critical Elements

Project No. \_\_\_\_\_ Attachment \_\_\_\_\_  
 Location \_\_\_\_\_ Sheet \_\_\_\_\_

LOCATION	ELEMENT	EXISTING	UDOT STANDARD	PROPOSED	3 YEAR ACCIDENTS		MITIGATION	REMARKS
			AASHTO 2004		ACTUAL	EXPECTED		

### Critical Elements:

- |                         |                            |
|-------------------------|----------------------------|
| 1. Design Speed         | 7. Stopping-Sight Distance |
| 2. Lane Width           | 8. Cross Slopes            |
| 3. Shoulder Width       | 9. Super Elevation         |
| 4. Horizontal Alignment | 10. Structural Capacity    |
| 5. Vertical Alignment   | 11. Vertical Clearance     |
| 6. Grades               | 12. Bridge Width           |

## Waivers of Additional AASHTO Design Criteria

**Project No.** \_\_\_\_\_ **Attachment** \_\_\_\_\_  
**Location** \_\_\_\_\_ **Sheet** \_\_\_\_\_

LOCATION	ELEMENT	EXISTING	UDOT Standard	Proposed	3 YEAR ACCIDENTS		MITIGATION	REMARKS
			AASHTO 2004		ACTUAL	EXPECTED		

### Additional Design Criteria:

- |   |   |  |
|---|---|--|
| 1. Horizontal Clearance<br>2. Ramp Terminal Sight Distance<br>3. Ramp Design<br>4. Gores<br>5. Ramp Terminals | 6. Ramp Entrances<br>7. Acceleration Lanes<br>8. Ramp Exits<br>9. Deceleration Lanes<br>10. Guardrail Bridge Connection | 11. Side Slopes<br>12. Intersection Sight Distance<br>13. Curb Configuration |
|---|---|--|

## Design Exception Request - Bridge Rail or Parapet

Structure Number:	
Location:	
Mainline or Overcrossing:	
Sufficiency Rating:	

Existing Systems												3-Year Accidents		Remarks
Bridge						Approach								
Rail Type	Condition	Height	Width			Approach Rail/Barrier								
			Total	Lane	Shoulder	Type	Attached	Standards	Width					
Y/N	Y/N	Total					Lane	Shoulder	Actual	Expected				
*														
		Meets Standards Y/N												

Structure Number:	
Location:	
Mainline or Overcrossing:	
Sufficiency Rating:	

EXISTING SYSTEMS												3-YEAR ACCIDENTS		REMARKS
BRIDGE						APPROACH								
RAIL TYPE	CONDITION	HEIGHT	WIDTH			APPROACH RAIL/BARRIER								
						TYPE	ATTACHED	STANDARDS	WIDTH					
TOTAL	LANE	SHOULDER	Y/N	Y/N	TOTAL		LANE	SHOULDER	ACTUAL	EXPECTED				
*														
		Meets Standards Y/N												

\* Attach sketch of rail type

## Part II. Deviation from UDOT Standard

**Deviation from UDOT Standards Table of Items and Required Action**

<b>Deviation from UDOT Standards Table of Items and Required Action</b>				
<b>Level</b>	<b>Item</b>	<b>Approval Location</b>	<b>Approval Level</b>	<b>Requirements</b>
<b>3</b>	Special Provisions and Detailed Drawings	Region	Region Preconstruction Engineer	Project scope related, special provision adds a new section, or a new drawing is added.
<b>2</b>	Special Provisions and Detailed Drawings	Region	Region Director	Any change that: 1) Entirely or in part modifies or deletes a Standard or Supplemental Specification 2) Modifies or deletes a Standard Drawing or 3) Modifies or deletes an internal design process.
<b>1</b>	Special Provisions and Detailed Drawings	Complex	Preconstruction Engineer	Any special provision or drawing related to Traffic Control that has or could have a significant impact on safety.
N/A	Design Exceptions	Central	Preconstruction Engineer	Existing Process
N/A	Design Waivers	Central	Preconstruction Engineer	Existing Process

Deviation from Standards requirements continued on next page.

Complete the below for each requested deviation from a UDOT Standard.

<b>Level:</b>	<input type="checkbox"/> <b>Level 1</b>	<input type="checkbox"/> <b>Level 2</b>	<input type="checkbox"/> <b>Level 3</b>
UDOT Standard:			
Proposed Deviation:			
Project Cost to Attain UDOT Standard:			
Explanation of Deviation:			
Safety Impacts:			
Cost/Benefit:			
Measurement and Payment:			
Material Acceptance:			
Associated Risk:			

### Part III: Approval/Signatures

<b>Prepared by</b> _____	<b>Date</b> _____
<b>Project Manager</b> _____	<b>Date</b> _____
<b>Region Preconstruction Engineer</b> _____	<b>Date</b> _____
<b>Region Director</b> _____ (Deviation from UDOT Standard only)	<b>Date</b> _____
<b>Traffic and Safety Engineer</b> _____	<b>Date</b> _____
<b>Preconstruction Engineer</b> _____	<b>Date</b> _____
<b>*FHWA Approval</b> _____	<b>Date</b> _____

\* if required

Prepared by information required for all submissions.

Project Manager and Region Preconstruction Engineer's signature required for all submissions.

Region Director's signature required for Deviation from UDOT Standard, Level 1 and Level 2 only.

Traffic and Safety Engineer's signature required for all options except a Level 2 or 3 Deviation from UDOT Standards.

Preconstruction Engineer's signature required for all options except a Level 2 or 3 Deviation from UDOT Standards.

FHWA requirement per current Stewardship and Oversight Agreement.